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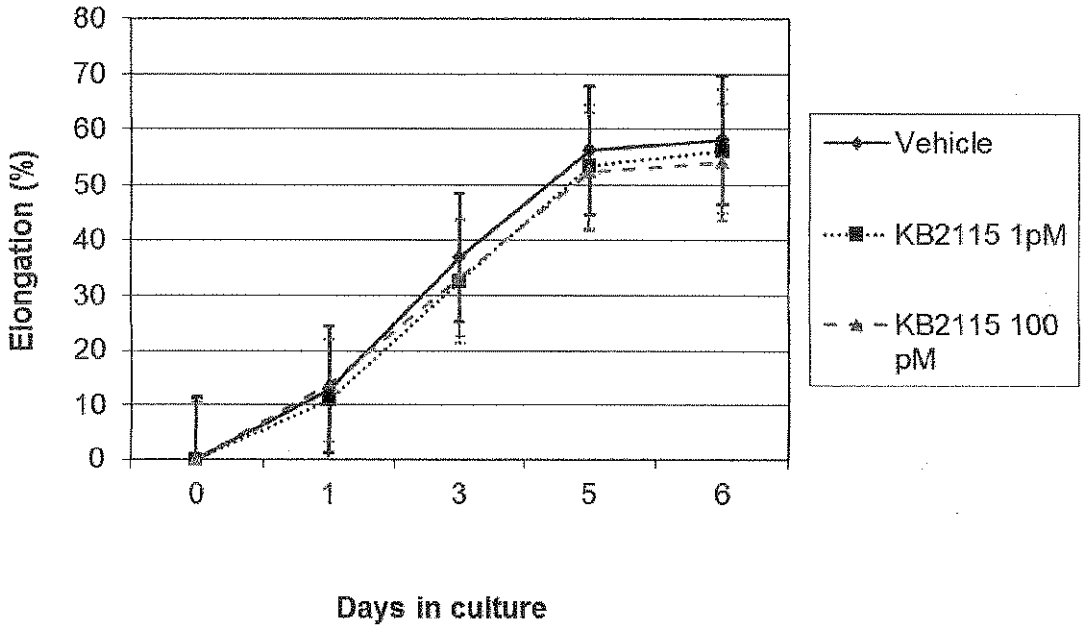



**Figure 1: Hair shaft elongation, 49y-old female**

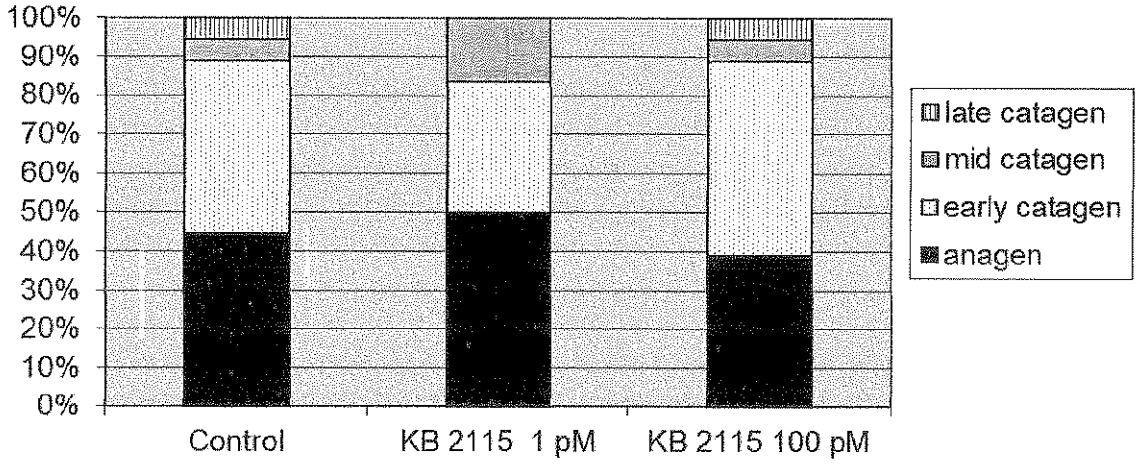



**Figure 2: Hair cycle staging (macroscopic), 49y-old female**

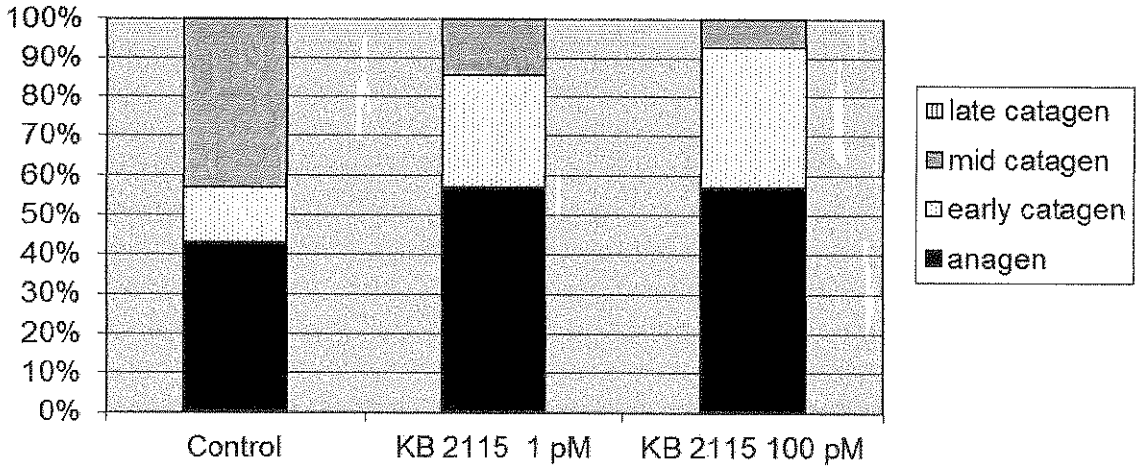



Figure 3: Hair cycle staging (microscopic), 49y-old female

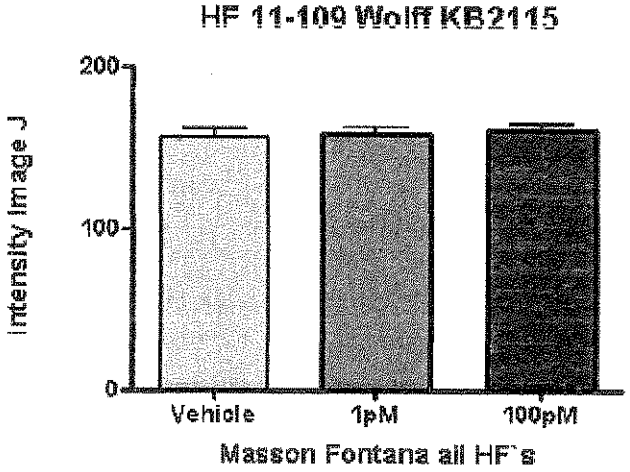



Figure 4: Hair pigmentation (all HFs), 49y-old female

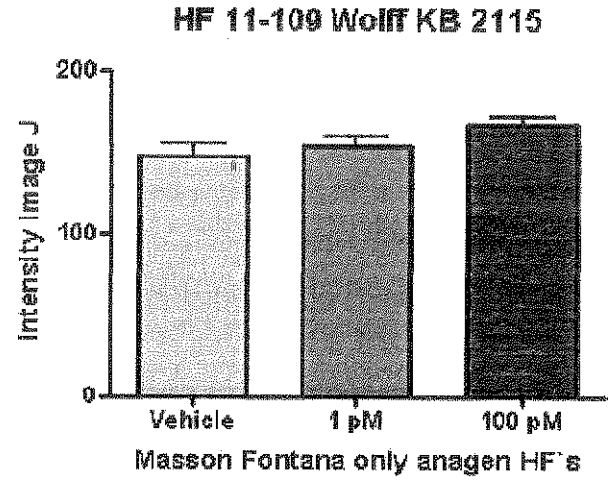



Figure 5: Hair pigmentation (only anagen HFs), 49y-old female

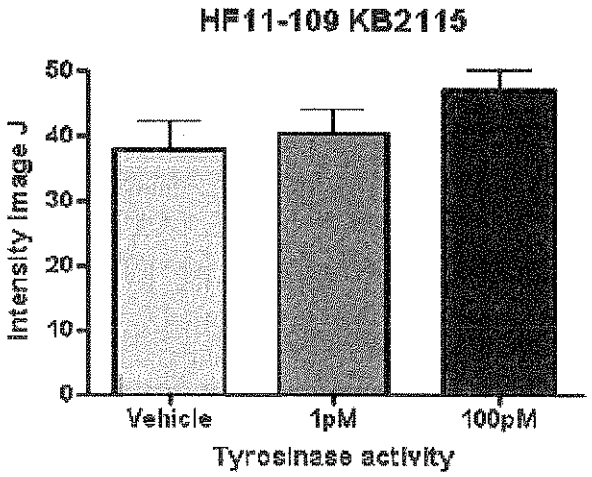



Figure 6: Tyrosinase activity (all HFs), 49y-old female

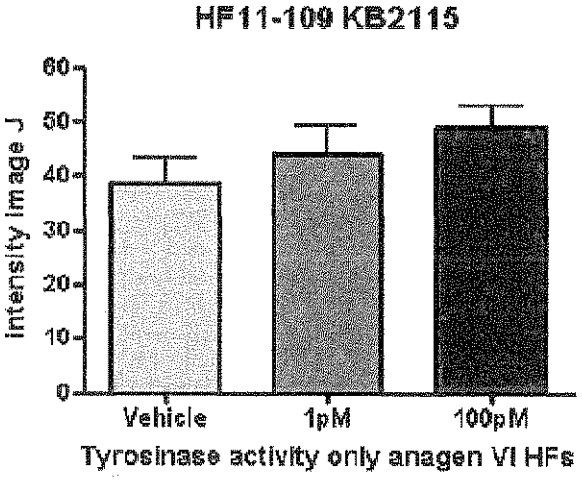



Figure 7: Tyrosinase activity (only anagen HFs), 49y-old female

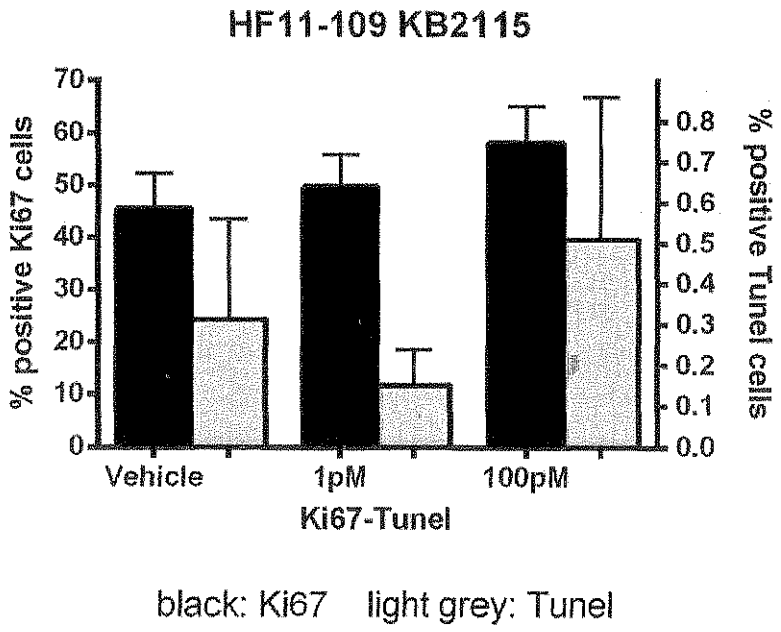



**Figure 8: Ki67-TUNEL immunohistomorphometry, 49y-old female**

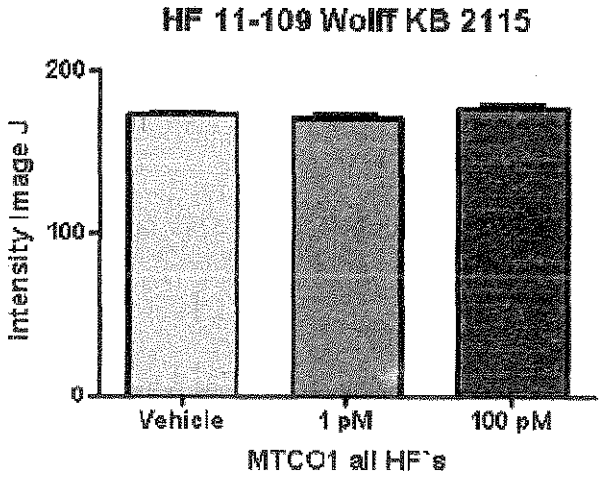



**Figure 9: Expression of MTCO1 (all HFs), 49y-old female**

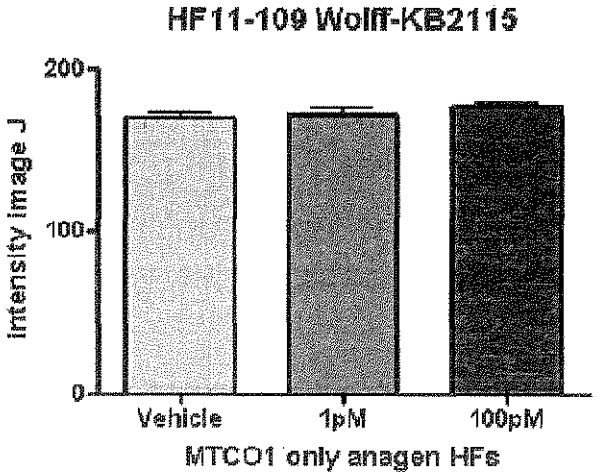



Figure 10: Expression of MTCO1 (only anagen HFs), 49y-old female

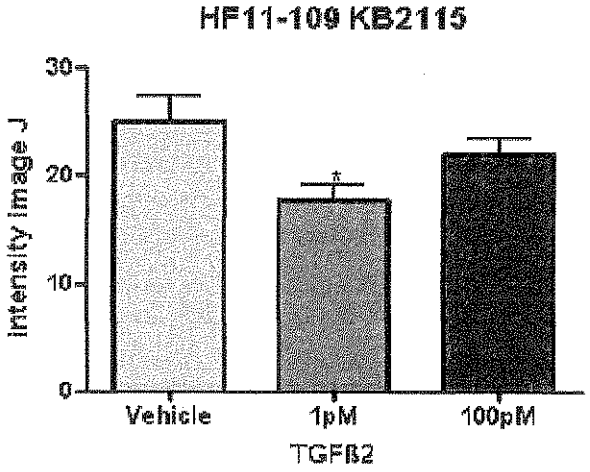



Figure 11: Expression of TGFβ2, 49y-old female

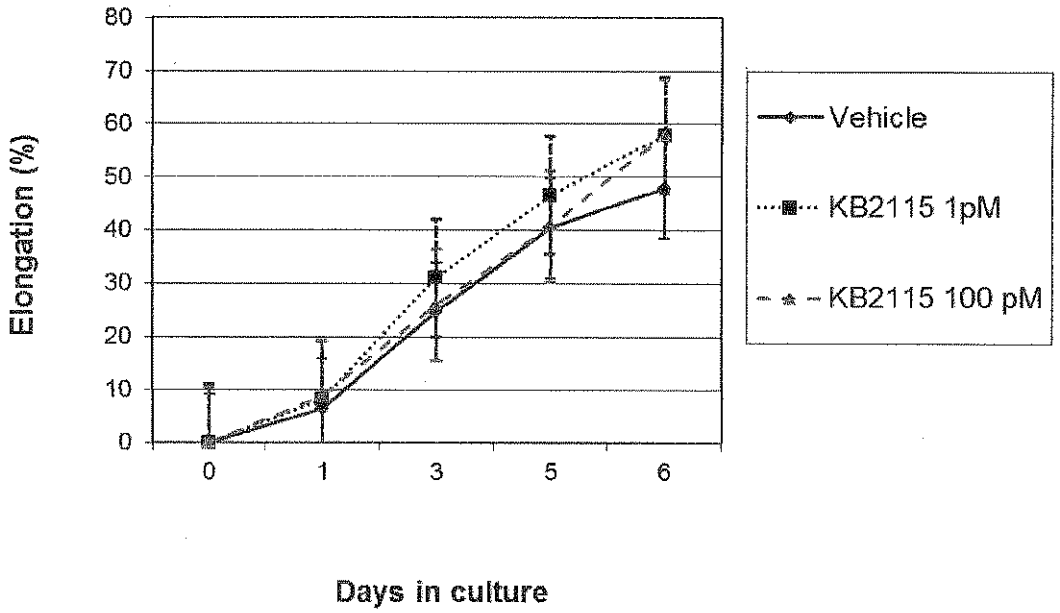



**Figure12: Hair shaft elongation, 47y-old female**

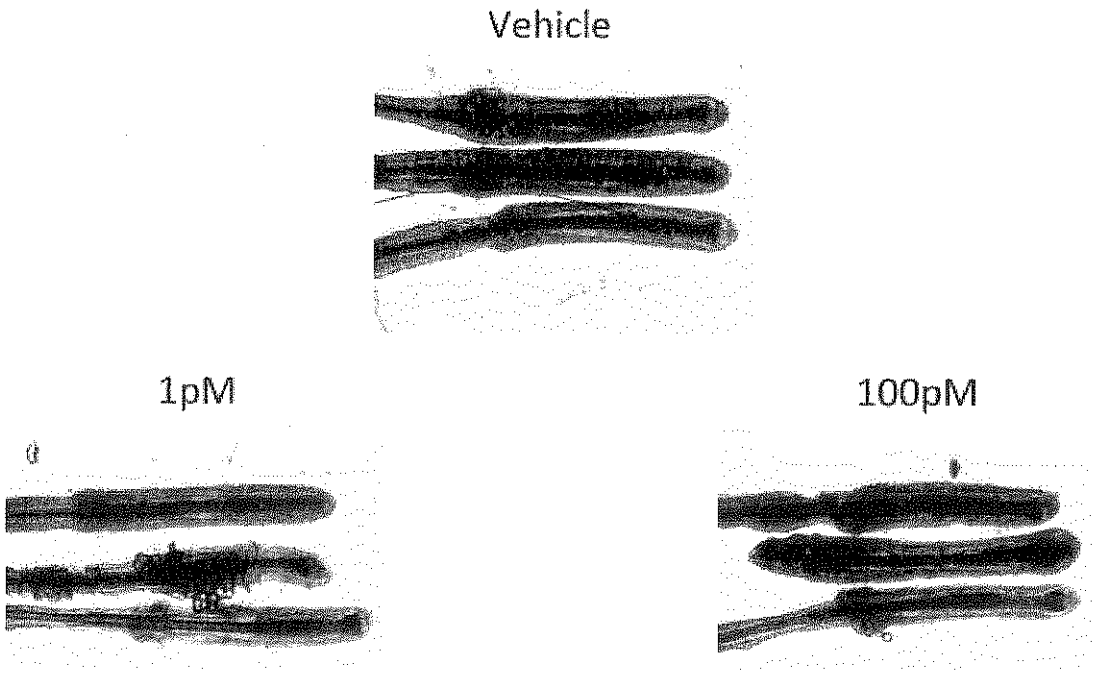



**Figure13: Hair follicles in culture, 47y-old female**

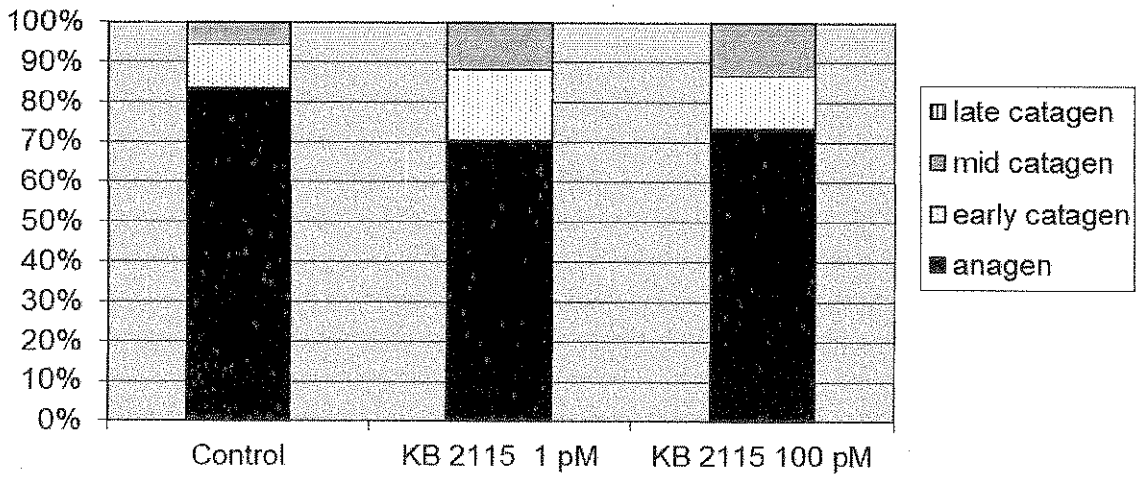



**Figure14: Hair cycle staging (macroscopic), 47y-old female**

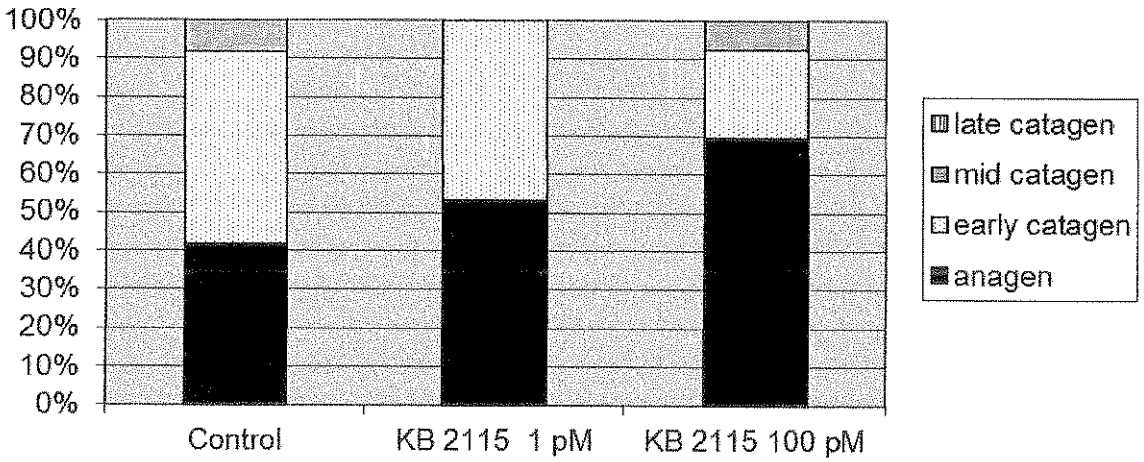



**Figure15: Hair cycle staging (microscopic), 47y-old female**

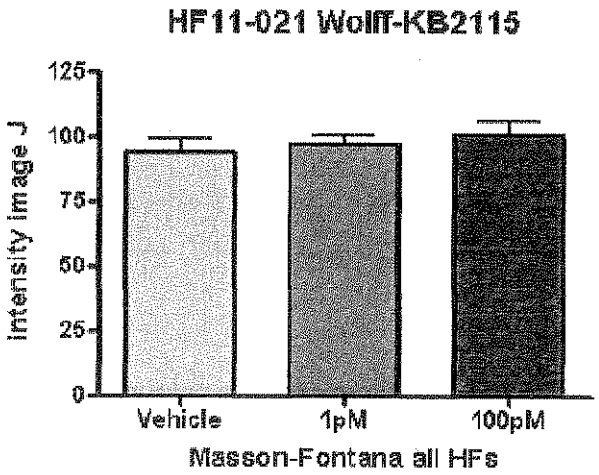



Figure16: Hair pigmentation (all HFs), 47y-old female

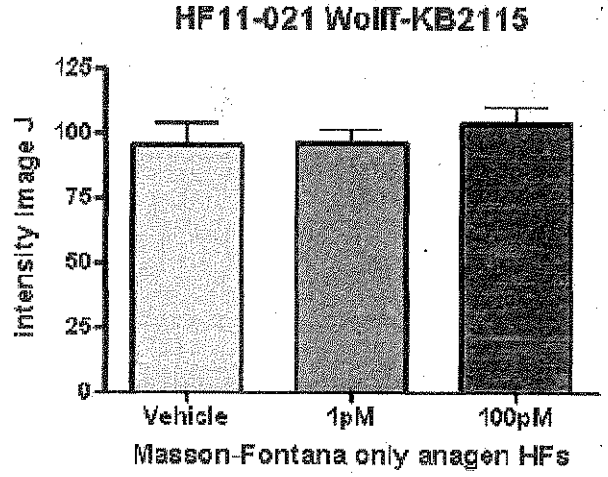



Figure17: Hair pigmentation (only anagen HFs), 47y-old female

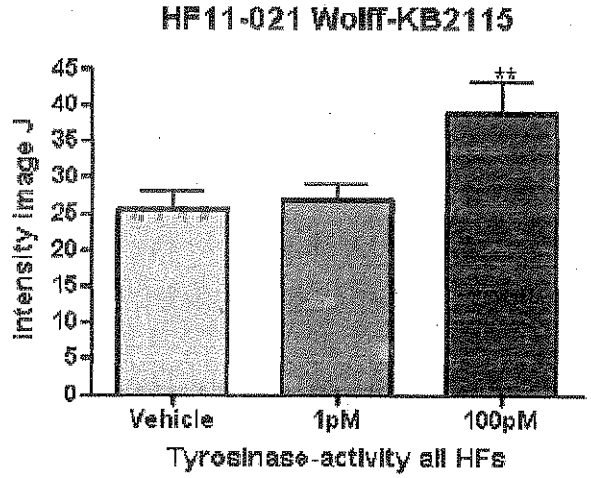



Figure18: Tyrosinase activity (all HFs), 47y-old female

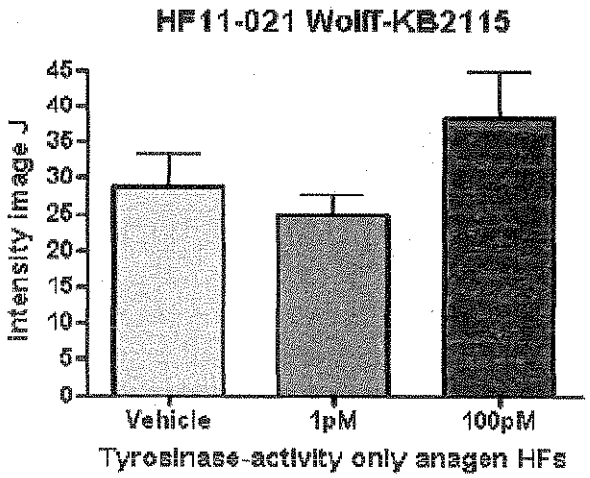
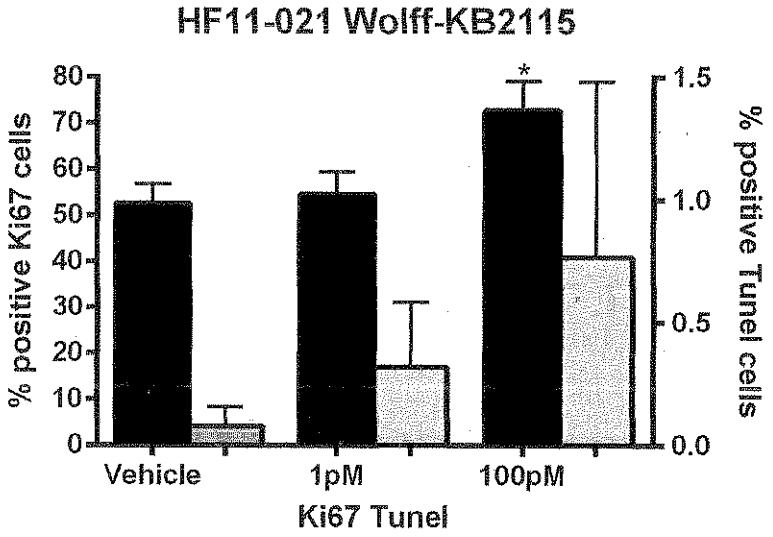



Figure19: Tyrosinase activity (only anagen HFs), 47y-old female




*black: Ki67, light grey: Tunel*

Figure20: Ki67-TUNEL immunohistomorphometry, 47y-old female

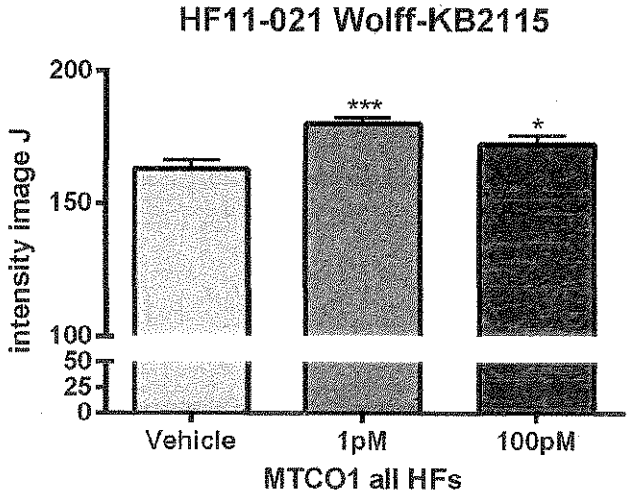



**Figure21: Expression of MTCO1 (all HFs), 47y-old female**

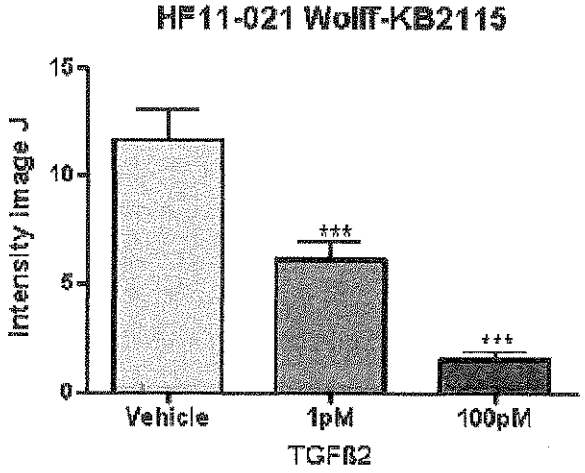



**Figure22: Expression of TGFβ2, 47y-old female**

Treatment with TRIAC:

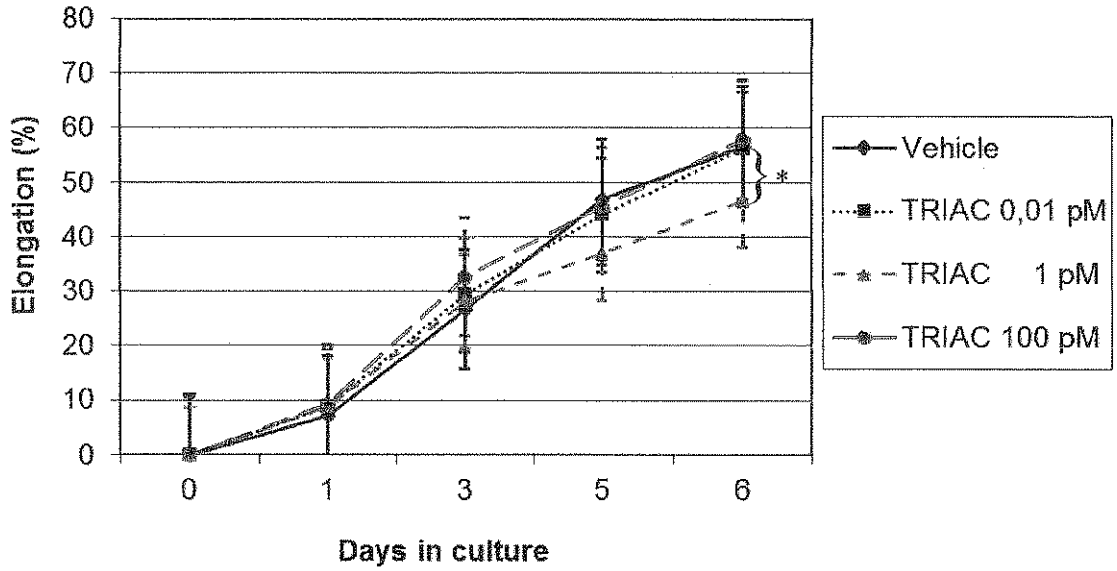



**Figure 23: Hair shaft elongation in hair follicles obtained from a 49y-old female.**

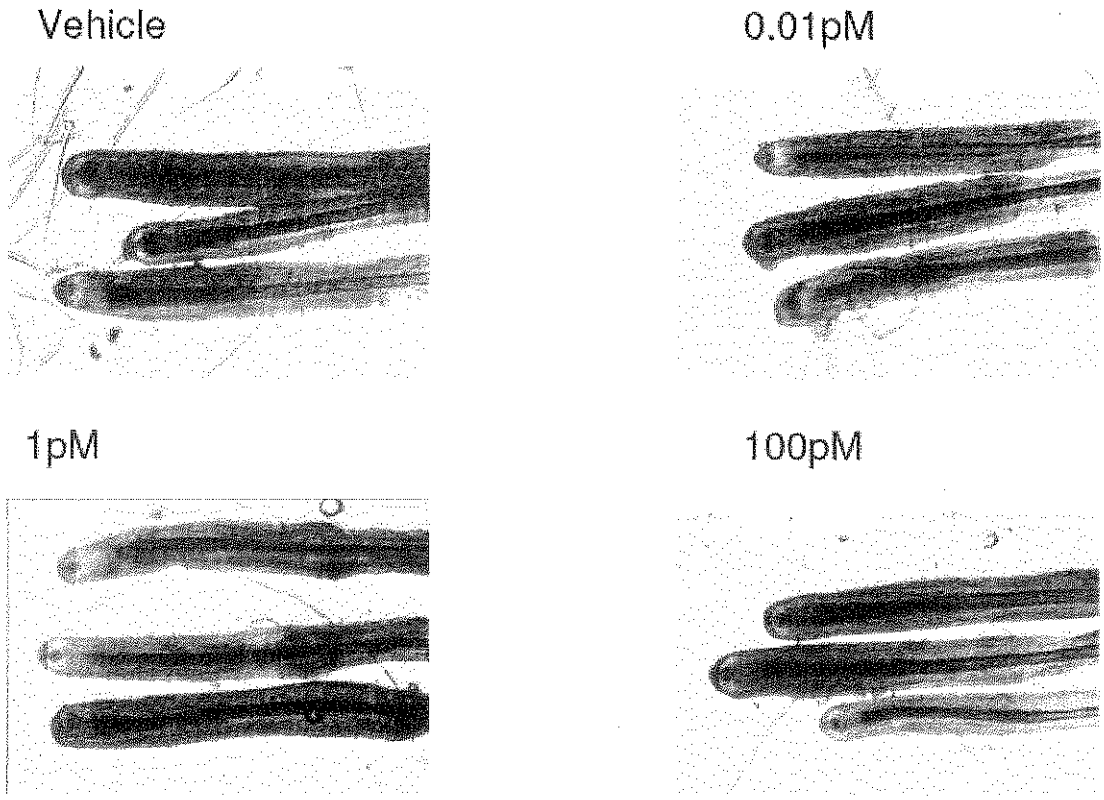



**Figure 24: Hair follicles in culture obtained from a 49y-old female (treated with TRIAC).**

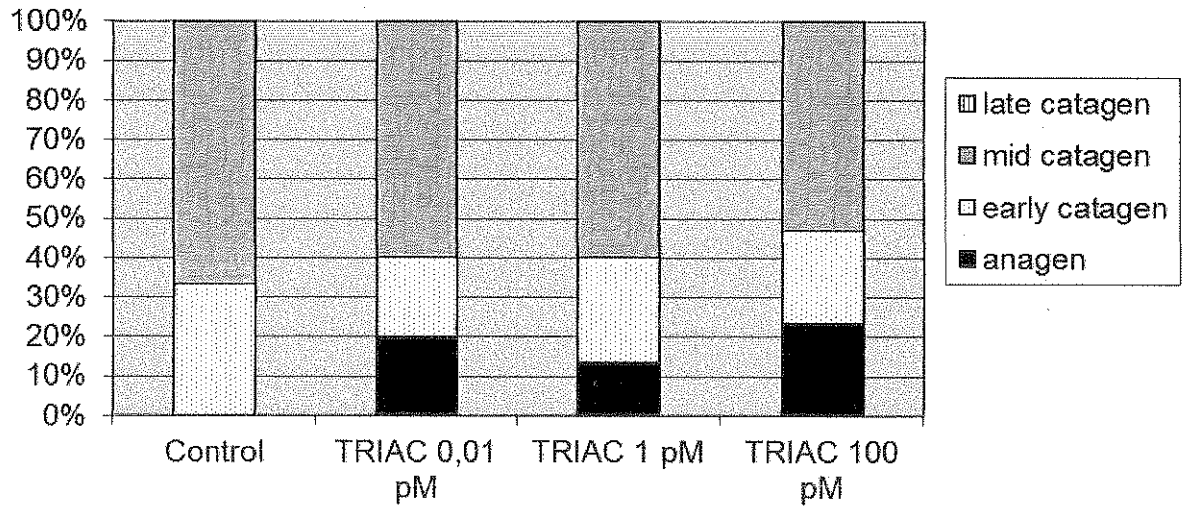



**Figure 25: Hair cycle staging (macroscopic) in hair follicles obtained from a 49y-old female.**

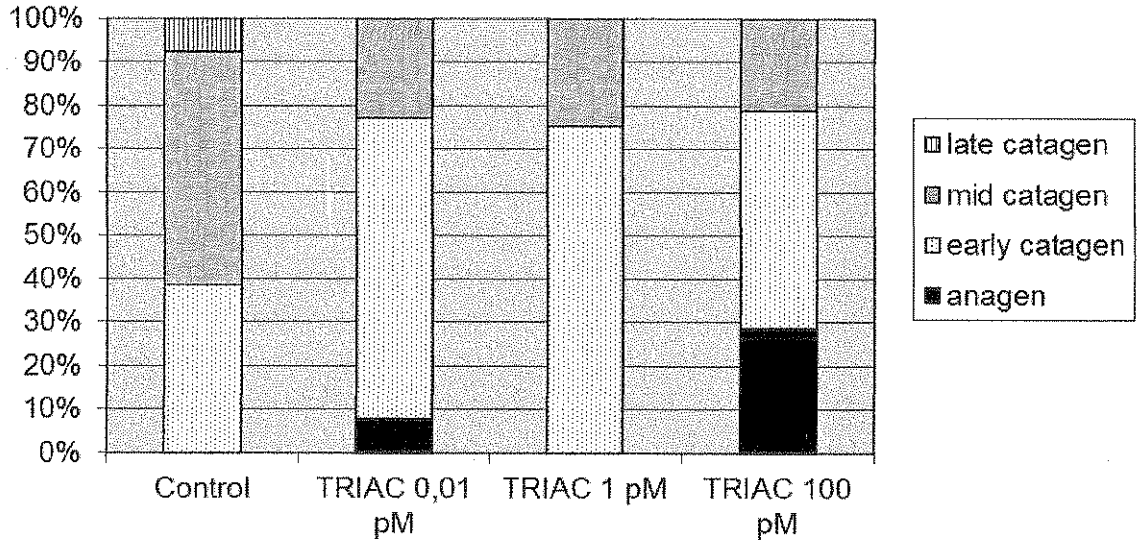



**Figure 26: Hair cycle staging (microscopic) in hair follicles obtained from a 49y-old female.**

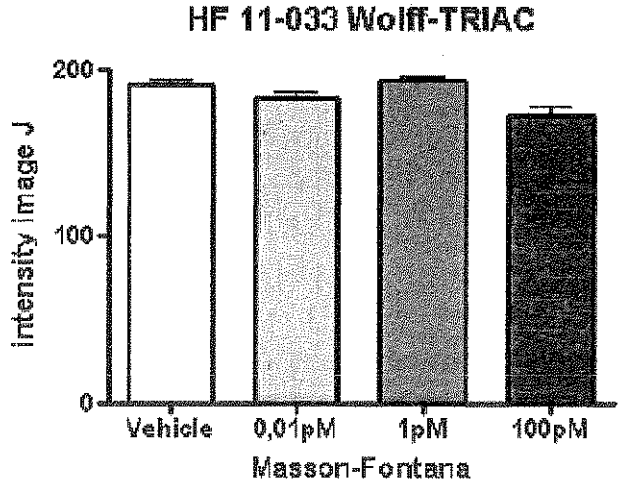



Figure 27: Hair pigmentation of all treated hair follicles from a 49y-old female donor.

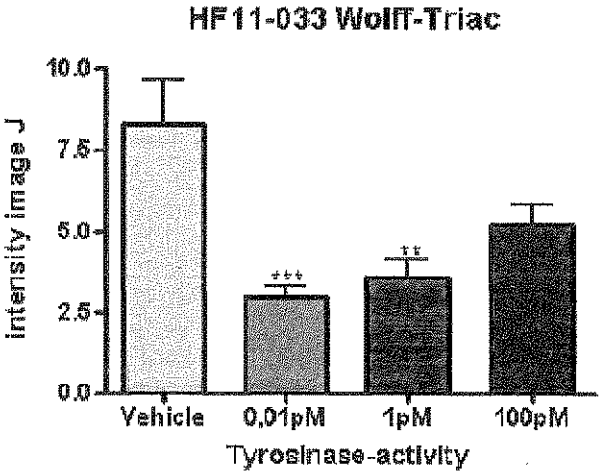



Figure 28: Downregulation of tyrosinase activity of hair follicles (all HFs) from a 49y-old female donor.

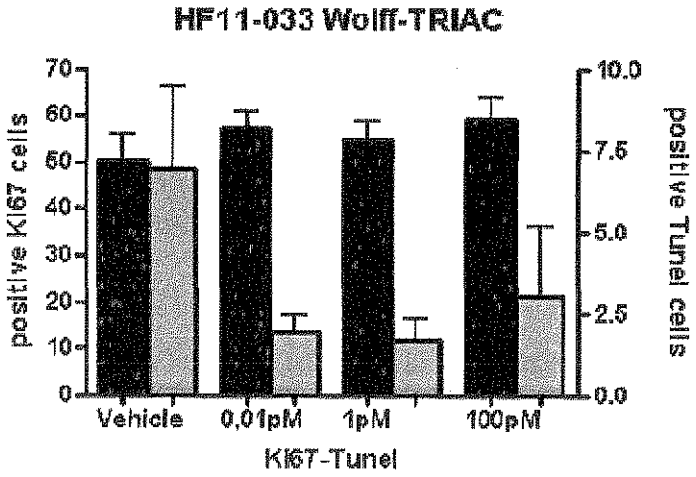



Figure 29: Ki-67 and TUNEL staining of treated hair follicles from a 49y-old female donor.

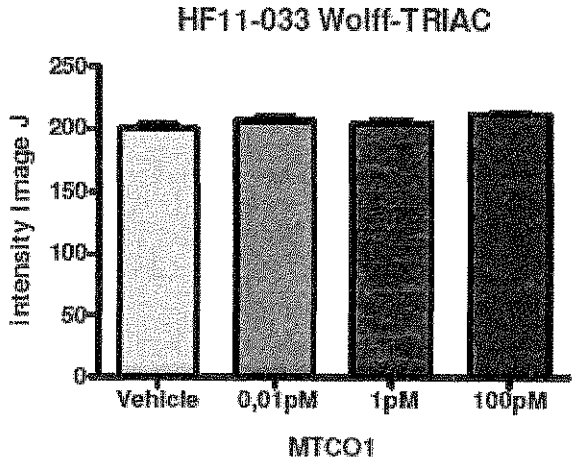



Figure 30: Expression of MTCO1 in hair follicles (all HFs) from a 49y-old female donor.

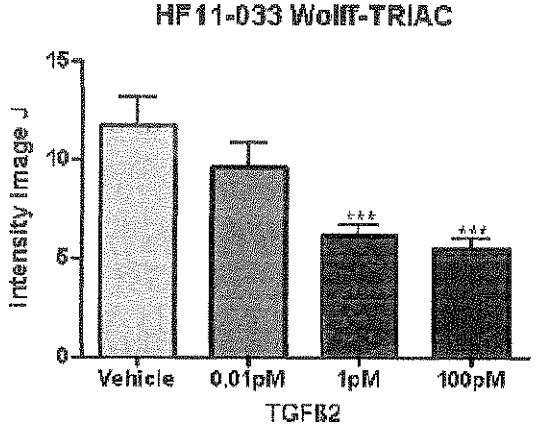



Figure 31: Reduced expression of TGFβ2 in treated hair follicles from a 49y-old female donor.

Treatment with PF-277343:

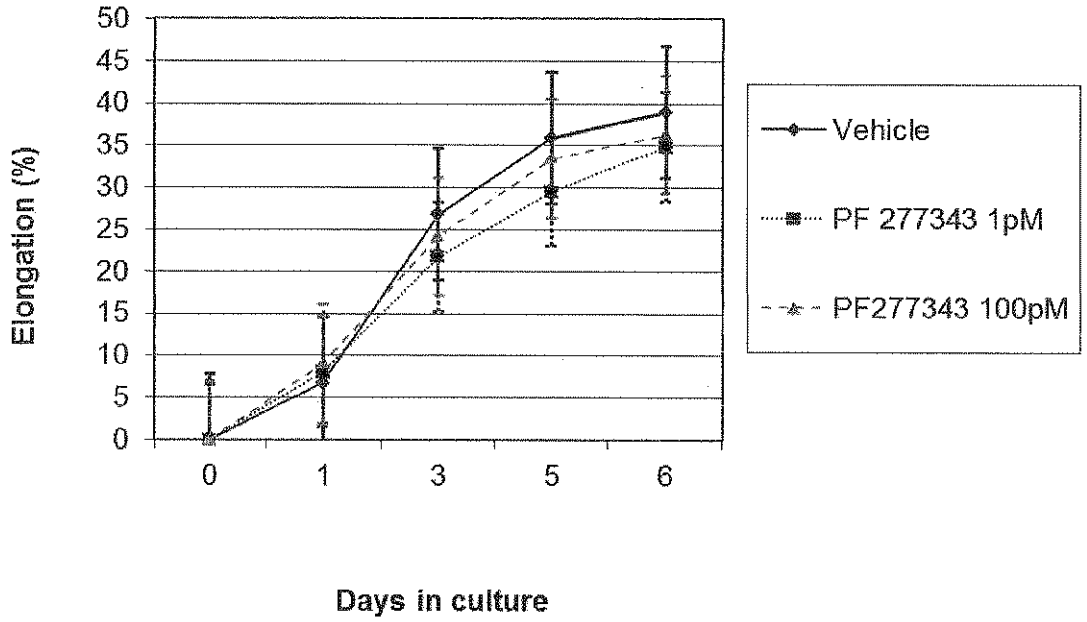



**Figure 32: Hair shaft elongation in hair follicles obtained from a 58y-old female.**

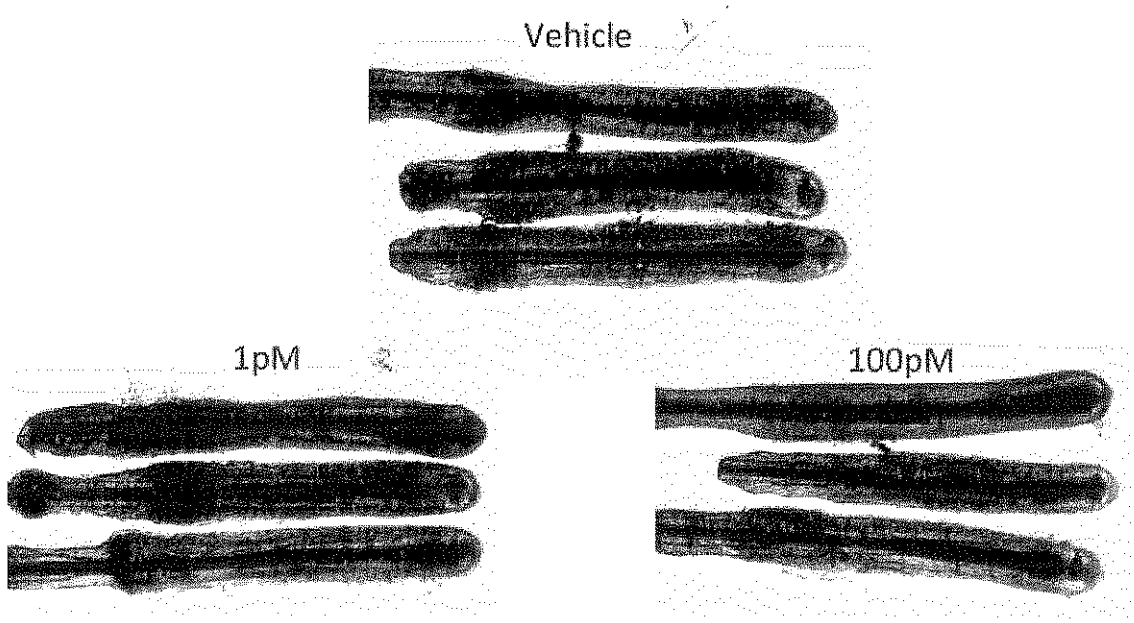



**Figure 33: Hair follicles in culture obtained from a 58y-old female (treated with PF-277343).**

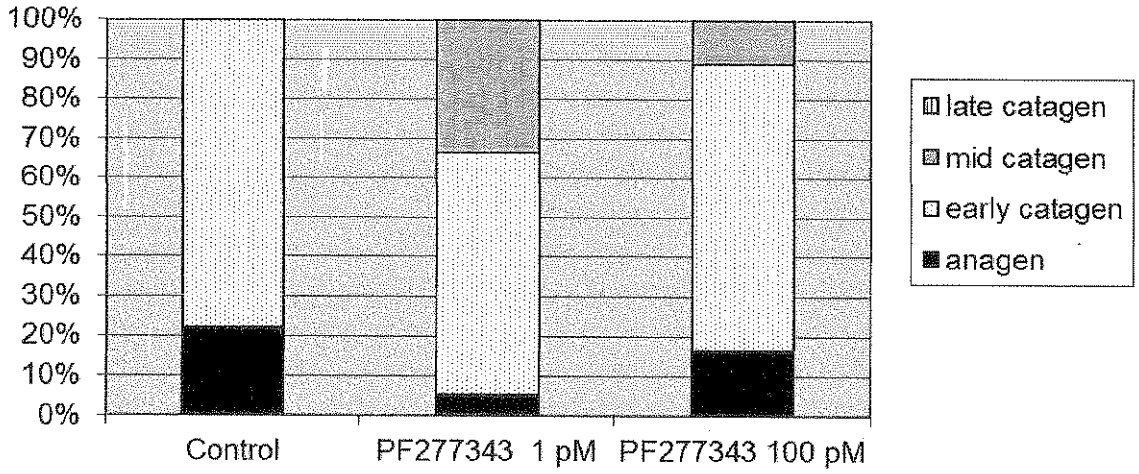



**Figure 34: Hair cycle staging (macroscopic) in hair follicles obtained from a 58y-old female.**

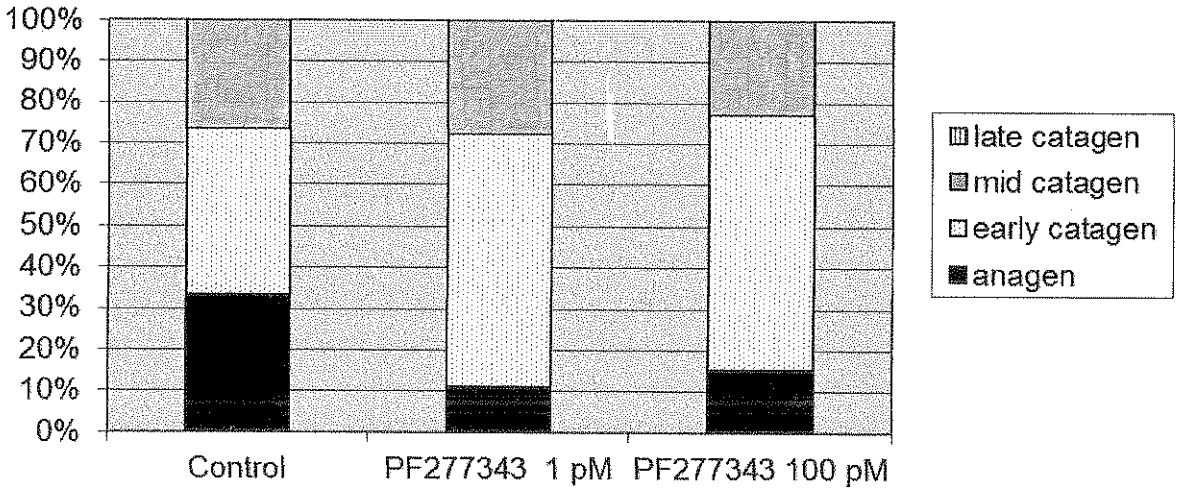



**Figure 35: Hair cycle staging (microscopic) in hair follicles obtained from a 58y-old female.**

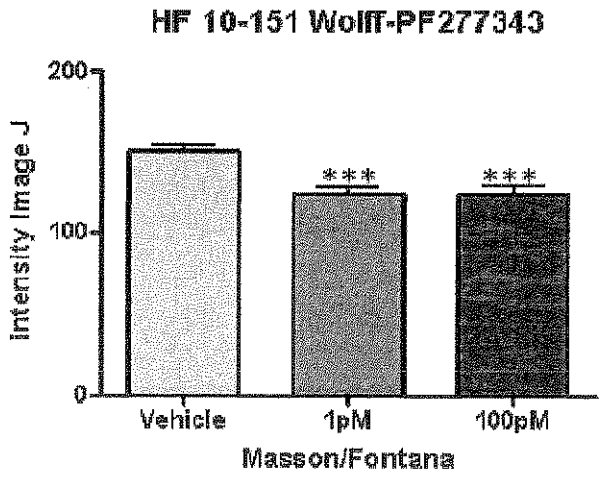



Figure 36: Hair pigmentation of all treated hair follicles from a 58y-old female donor.

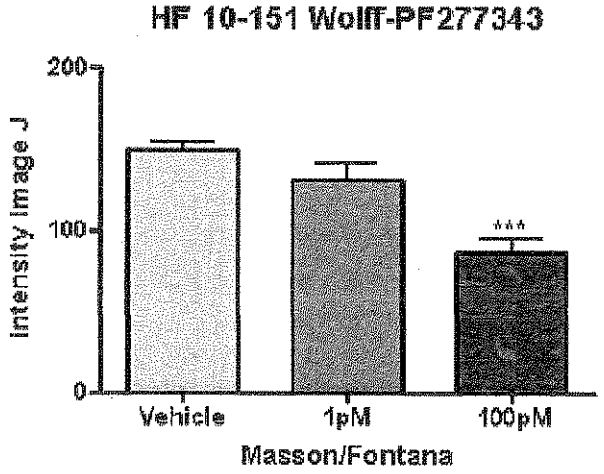



Figure 37: Hair pigmentation of all treated hair follicles in the anagen phase from a 58y-old female donor.

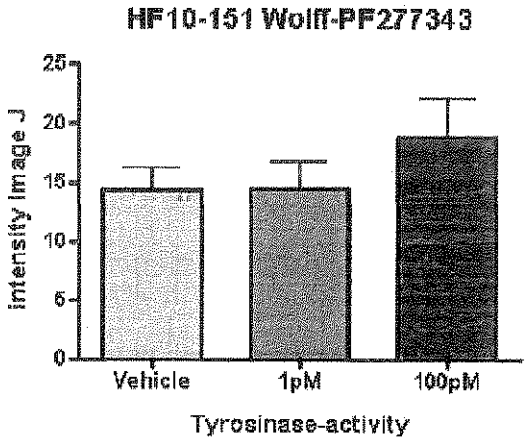



Figure 38: Upregulation of tyrosinase activity of hair follicles (all HFs) from a 58y-old female donor.

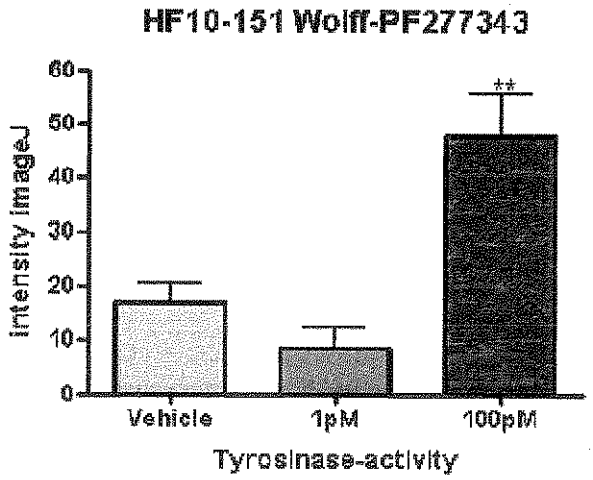
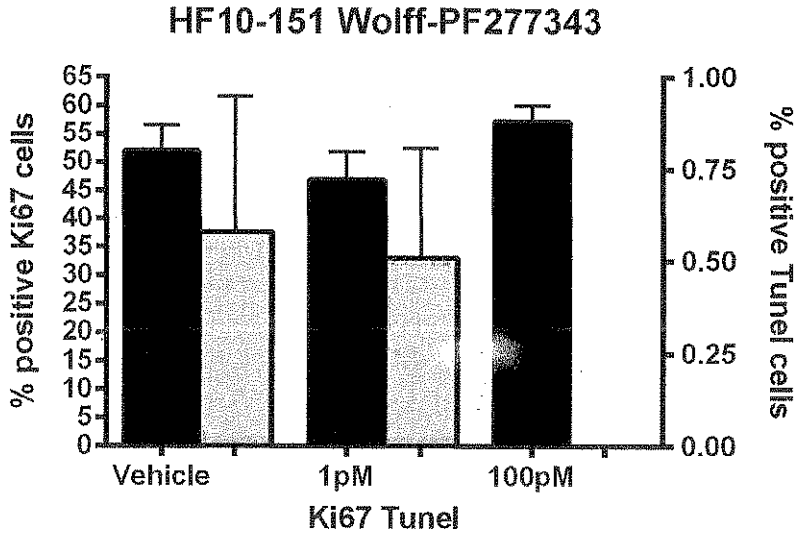



**Figure 39: Upregulation of tyrosinase activity of hair follicles (only anagen HFs) from a 58y-old female donor.**

5




*black: Ki67, light grey: TUNEL*

**Figure 40: Ki-67 and TUNEL staining of treated hair follicles from a 58y-old female donor.**

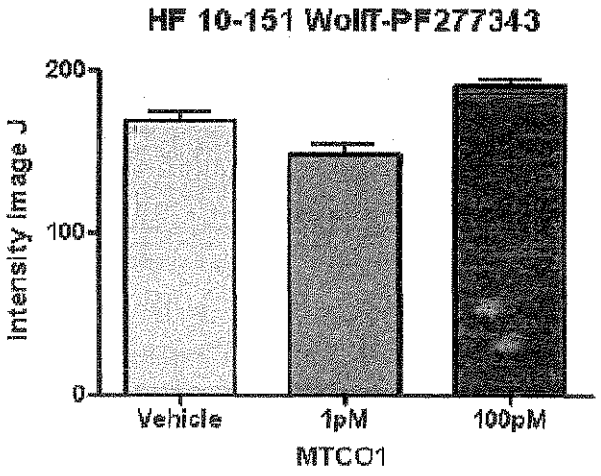



Figure 41: Expression of MTCO1 in treated hair follicles from a 58y-old female donor.

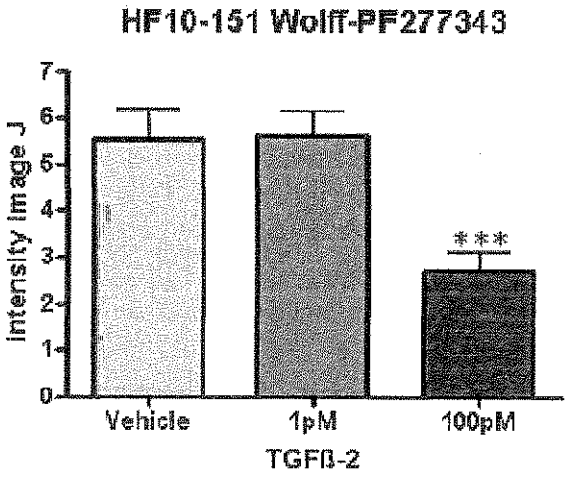



Figure 42: Reduced expression of TGFβ2 in treated hair follicles from a 58y-old female donor.